

Title (en)
Pneumatic spring damper

Title (de)
Luftfeder-Dämpfer

Title (fr)
Amortisseur à ressort pneumatique

Publication
EP 2243977 B1 20120926 (DE)

Application
EP 10160258 A 20100419

Priority
DE 102009002617 A 20090424

Abstract (en)
[origin: EP2243977A2] The spring (1) has a rolling bellows (5) connected with an end of an unwinding body (3). Another end of the unwinding body is connected to a cover (7), so that a spring area (9) is formed. The spring area is divided by a cushioning disk (11) to an auxiliary area (13) within the unwinding body. A damping valve (19) is arranged in the cushioning disk. The cushioning disk is formed by a base of the unwinding body, and a damping-valve body (19s) is fixed in the cushioning disk. The cushioning disk exhibits a retaining disk (15), where the disks form together a cavity (17).

IPC 8 full level
F16F 9/04 (2006.01)

CPC (source: EP)
F16F 9/0472 (2013.01)

Cited by
CN102374252A; DE102018112549A1; DE102018112549B4; CN102367855A; CN102431412A; US10525785B2; WO2013165238A1

Designated contracting state (EPC)
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